

## Product datasheet for TP516505

### Car7 (NM\_053070) Mouse Recombinant Protein

#### Product data:

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Recombinant Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Description:                          | Purified recombinant protein of Mouse carbonic anhydrase 7 (Car7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Species:                              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expression Host:                      | HEK293T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Expression cDNA Clone or AA Sequence: | >MR216505 representing NM_053070<br><span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)<br><br>MTGHHCWGYGQDDGPSNWHKLYPIAQGDRQSPINISSQAVYSPSLQPLELFYEACMSLSITNNGHSVQ<br>V<br>DFNDSDDRTVVSGGPLEGPYRLKQLHFHWGKKRDMGSEHTVDGKSFPSELHLVHWNACKYSTFGAAAA<br>AP<br>DGLAVVGVFLETGDEHPSMNRLTDALYMVRFKDTKAQFSCFNPCKLLPTSRHYWTYPGSLTTPPLSESVT<br>WIVLREPIRISERQMEKFRSLLFTSEDDERIHMVNDNFRPPQPLKGRVVKASFQA<br><br><span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span> |
| Tag:                                  | C-MYC/DDK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Predicted MW:                         | 30.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.                                                                                                                                                                                                                                                                                                                                                                                                     |
| Storage:                              | Store at -80°C after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq:                               | <a href="#">NP_444300</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Locus ID:                             | 12354                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt ID:                           | <a href="#">Q9ERQ8</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |


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|---------------|------------------------------------------------------------------------|
| RefSeq Size:  | 1538                                                                   |
| Cytogenetics: | 8 D3                                                                   |
| RefSeq ORF:   | 792                                                                    |
| Synonyms:     | AV343731; Ca7                                                          |
| Summary:      | Reversible hydration of carbon dioxide.[UniProtKB/Swiss-Prot Function] |